

AMENDMENTS TO THE SPECIFICATION

Page 1, after the title insert the following:

This application is the US national phase of international application **PCT/IB2003/005191** filed **17 November 2003**, which designated the U.S. and claims priority of **IT MO2002A000332**, filed **15 November 2002**, the entire contents of each of which are hereby incorporated by reference.

Please amend the paragraph beginning at page 2 line 13, as follows:

This task and these objects are all achieved by this fluid-dynamic circuit for supplying primary and auxiliary uses with preset priorities, comprising a source of pressurised fluid, conventionally indicated by P, at least one first use with primary priority, conventionally indicated by PR1, at least one second use with secondary priority, conventionally indicated by PR2, at least one third use with low priority, conventionally indicated by EF, ~~characterised in that~~wherein said PR1 is directly connected to said source P by a relative first pipe, that said PR2 and EF are connectable to said source P with respective second and third pipes by interposing a valve means equipped with an internal distributor to control said second and third pipes and movable according to at least three connection configurations, in a first configuration said PR2 and EF being shut, in a second configuration said PR2 being open and said EF being shut, in a third configuration said PR2 being open and said EF being open.

Please amend the paragraph beginning at page 3 line 6, as follows:

Figures 4 and 5 show a diagram of the fluid-dynamic circuit according to the invention in a second possible embodiment with the use of a valve means with five operational configurations and respectively with a source of the fixed-flow and variable type;

Please amend the paragraph beginning at page 3 line 11, as follows:

Figures 6 and 7 show yet another diagram of the fluid-dynamic circuit according to the invention in a third possible embodiment, equipped with a protective valve means interposed between the source and the first use PR1, respectively with said source of the fixed-flow and variable type.

Please amend the paragraph beginning at page 3 line 29, as follows:

Said first pipe 2, second pipe 3 and third pipe 4 flow into a valve means 5 equipped with an internal distributor member 6 for the control of the connection between said first pipe 2 and second pipe 3 and third pipe 4.

Please amend the paragraph beginning at page 4 line 9, as follows:

In the circuit 1 according to the invention, between said source P and the valve means 5, a first signal line 20 is provided for detecting the pressure of the fluid and the transmission of the relative signal; also between the uses PR1 and PR2 a third and second signal line for measuring the pressure of said fluid are respectively provided,

indicated respectively by 40 and 30; the second and third pressure signal lines 30 and 40 are better known by the technical term "load sensing".

Please amend the paragraph beginning at page 4 line 18, as follows:

The first signal line 20 emerges on an end of the distributor ~~means-~~ member 6.

Please amend the paragraph beginning at page 4 line 32, as follows:

The distributor member 6 is also subjected to a continuous contrast action of an elastic ~~means-~~ element 7 that exerts preset force on the distributor member 6.

Please amend the paragraph beginning at page 5 line 1, as follows:

The force of the elastic ~~meanselement~~ element 7, the pressure of the fluid in the further signal line 20' at one end and the pressure of the fluid in the first signal line 20 at the opposite end therefore act on the distributor member 6.

Please amend the paragraph beginning at page 5 line 5, as follows:

If there is no pressure in the first signal line 20, and in the further signal line 20', the elastic ~~meanselement~~ element 7 shifts the distributor member 6 towards the first configuration 100.

Please amend the paragraph beginning at page 5 line 23, as follows:

In the fluid-dynamic circuit 1 according to the invention, between the source P and the first use PR1 at least one protective valve ~~means-10~~ of the use is interposable, said valve ~~means-10~~ being equipped with an organ 11 with a presettable intervention threshold.

Please amend the paragraph beginning at page 5 line 28, as follows:

The valve ~~means-10~~ is also piloted by a shutter member 12 between at least two intervention positions: in a first position 200 the valve ~~means-10~~ is open and the pressurised fluid flows freely towards the first use PR1 whereas in a second position 201 it is completely shut, thereby interrupting the flow of fluid directed towards said first use PR1.

Please amend the paragraph beginning at page 6 line 1, as follows:

The organ 11 comprises at least one contrasting spring 13 that continuously acts in the opposite direction to the shift of the shutter member 12 to return it, or to keep it in the normal open configuration 200 of the valve ~~means-10~~.

Please amend the paragraph beginning at page 6 line 5, as follows:

In a further embodiment of the fluid-dynamic circuit 1, between the source P and the first use PR1, on the pipe branch that connects them, a valve ~~means-14~~ is interposable

that is suitable for limiting the maximum flow of the fluid directed towards said first use PR1.

Please amend the paragraph beginning at page 6 line 10, as follows:

The operation of the fluid-dynamic circuit 1 for supplying primary uses PR1, secondary uses PR2 and auxiliary uses EF with preset priorities according to the invention is as follows: when the first use PR1 requires the entire maximum flow of pressurised fluid, the distributor member 6 of the valve ~~means~~-5, subjected at one end to the diminishing pressure detected by the first signal line 20 and at the opposite end subjected to the pressure detected by the further signal line 20' and to the action of the elastic ~~means~~element 7, it is progressively arranged in the configuration 100 and sequentially closes the connections first with the third use EF and subsequently also with the second use PR2, as indicated in Figure 1.

Please amend the paragraph beginning at page 6 line 23, as follows:

When on the other hand the flow of the source P is sufficient to supply all the uses pressures of the first signal line 20 and of the further signal line 20' pilot the distributor member 6 in such a way that the latter is placed in the connection configuration 102 illustrated in Figure 3, thereby overcoming the contrasting action of the elastic ~~means~~element 7: the pressurised fluid in said configuration suffers rather limited load losses as it has to go through only one valve ~~means~~-5 to reach the different uses, in particular the third use EF.

Please amend the paragraph beginning at page 7 line 27, as follows:

When the first use PR1 requires the entire fluid flow, the signal line 20 detects a pressure drop signal; the elastic ~~means~~element 7 acts on the distributor member 6 of the valve ~~means~~—5 and first pushes it and then maintains it in the connection configuration 100 wherein the second use PR2 and the third use EF are both shut.

Please amend the paragraph beginning at page 7 line 33, as follows:

When the driver acts on the brake, in the pipe 3 of the second use PR2 fluid is recalled: if the flow of the source P is insufficient, the pressure detected by the first signal line 20 is overtaken by the signal of the further signal line 20', which in this case coincides with the pressure of the second signal line 30, added to the force of the elastic ~~means~~element: this progressively shifts the distributor ~~means~~member 6 towards the configuration 101 passing through the fifth configuration 104.

Please amend the paragraph beginning at page 8 line 17, as follows:

Finally, the valve organ 10 can be positioned on the pipe 2, between the source P and the first use PR1 for protection, if requested by the latter in order that it does not reach an excessive non-required flow or pressure that might damage it.

In practice it has been established that the disclosed invention achieves the proposed objects, in particular that it can supply by means of a sole valve ~~means~~—at least three uses with preset priorities and with minimal load loss.